MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 2, 2018/2019

DAC5018 – COMPUTER APPLICATIONS
(DBA & DIA Students)

11 MARCH 2019
9.00 a.m. – 11.00 a.m.
(2 Hours)

INSTRUCTIONS TO STUDENT:

1. This question paper consists of 8 pages with 2 sections.

2. **SECTION A:** Answer **ALL** Multiple Choice Questions on the OMR sheet given.

3. **SECTION B:** Answer **ALL** Structured Questions in the Answer Booklet provided.

SECTION A [40 Marks]

Instruction: Answer ALL questions from this section and shade your answers on the OMR sheet provided.

1. All of the following are **TRUE EXCEPT**:
   a. Bit is the short term for binary digit.
   b. Bits are represented by 0s or 1s.
   c. One byte is a combination of 16 bits.
   d. Terabytes is smaller than Petabytes

2. Which of the following is an example of an output device?
   a. Ear phones
   b. Stylus
   c. Web camera
   d. Scanner

3. Hertz is a measurement of machine cycles per _____.
   a. 30 minutes
   b. hour
   c. minute
   d. second

4. Which of the following holds the most data?
   a. Compact discs (CDs)
   b. Random Access Memory (RAM)
   c. Blu-ray discs (BDs)
   d. Read Only Memory (ROM)

5. When you first start your computer for the day, it is known as _____.
   a. warm start
   b. cold start
   c. first start
   d. normal start

6. A _____ gives access to the networks and the Internet.
   a. Thunderbolt port
   b. HDMI port
   c. USB port
   d. connectivity port

7. To help user navigate a website quickly _____ are provided as a navigation aid that shows users the path they have taken to get to a location in a website.
   a. breadcrumb trails
   b. hyperlinks
   c. bookmarks
   d. maps

Continued...

8. Better search results can be obtained online when using _____.
   a. a computer with higher RAM
   b. a laptop
   c. boolean operators
   d. the latest browser

9. Wild card is when the _____ symbol is used to search for unknown terms using a search engine.
   a. comma
   b. asterisk
   c. hash
   d. ampersand

10. All of the following are the criteria to decide whether a website is a good source of information **EXCEPT**:
    a. IP address
    b. Relevance
    c. Authority
    d. Links

11. Which of the following is **FALSE** about the Internet?
    a. It is a network that connects billions of computers globally.
    b. Using e-mails is the only way that communication can be done over the Internet.
    c. The modern Internet evolved from a project called ARPANET.
    d. It keep tracks of each device connected to it via the IP address.

12. All of the following are good practices when using social networking websites **EXCEPT**:
    a. Keeping certain information private such as house address and telephone numbers.
    b. Sharing posts only after verifying the correctness of the content.
    c. Checking the privacy setting regularly.
    d. Posting a friend's picture without getting their permission.

13. _____ is a web-based productivity software.
    a. Google Drive
    b. Microsoft Office
    c. Adobe
    d. Internet Explorer

14. The set of instructions that tells the computer what it needs to do is called as _____.
    a. port
    b. software
    c. command
    d. hardware

Continued...

15. System requirement specifies the _____.
   a. information such as the owner of the software as well as under which circumstances copies of the software can be made.
   b. duration or time that the software must be upgraded.
   c. guidelines that a system must have in order for the hardware and software to work smoothly and efficiently.
   d. brand of hard disk that must be used in a computer.

16. In a Database Software, a single value or data is known as a _____.
   a. record
   b. field
   c. file
   d. table

17. If you are creating a company's balance sheet which requires the use of multiple formulas for calculation, you would use a _____.
   a. Spreadsheet Software
   b. Word Processing Software
   c. Note Taking Software
   d. Presentation Software

18. A digital audio software can be used to _____.
   a. draw a blueprint for a house
   b. calculate tax deductions for a company
   c. record songs
   d. train pilots to fly a plane

19. In a(n) _____, the user is required to type codes to interact with the computer.
   a. menu-driven interface
   b. command-driven interface
   c. icon-driven interface
   d. graphic user interface

20. Which of the following is a utility program?
   a. File Explorer
   b. Google Chrome
   c. Microsoft Office
   d. Backup software

21. An Operating System (OS) software does all of the following **EXCEPT**:
   a. Provide word processing features to users.
   b. Manages the input and output devices.
   c. Coordinates and directs the flow of data and information through the computer system.
   d. Controls the allocation of memory.

Continued...

22. The files that you have deleted will be moved to the _____ and will stay there until it is permanently removed from the system.
    a.   Utility folder
    b.   Deleted folder
    c.   Remove folder
    d.   Recycle Bin

23. The drive which is the top of the filing structure of your computer is referred to as the _____.
    a.   Main directory
    b.   First directory
    c.   Root directory
    d.   Primary directory

24. A(n) _____ is a unique signal sent to the operating system when a device such as a printer receives a command.
    a.   pointer
    b.   indicator
    c.   event
    d.   interrupt

25. When the CPU translates the instruction into something that it can understand, it is in the _____ stage of the Machine Cycle.
    a.   fetch
    b.   decode
    c.   execute
    d.   store

26. A CPU's processing power can be determined by the _____.
    a.   number of cores it has
    b.   type of monitor the computer uses
    c.   heat a chip generates
    d.   sound of the hard disk spinning

27. Which of the following is **TRUE** about Solid-State Drives (SSD)?
    a.   Price is cheaper compared to other drives.
    b.   Faster processing compared to hard drives.
    c.   It consumes a lot of power.
    d.   Very bulky and heavy compared to hard drives.

28. Which of the following is the slowest memory in a computer?
    a.   Thunderbolt
    b.   Cache
    c.   RAM
    d.   Hard disk

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29. The time taken for a drive to find the data and make it available for processing is referred to as _____.
    a. seek time
    b. bandwidth
    c. access time
    d. process time

30. The most important thing to do before donating your computer is to _____.
    a. clean the keyboard
    b. remove all data from the hard drive
    c. add extra RAM to improve the memory
    d. remove the network card

31. A computer monitor may have a resolution of 640 x 480 which means _____.
    a. the brightness level can go up to 640 points and reduced down to 480 points
    b. there are a minimum of 480 pixels and maximum of 640 pixels horizontally
    c. there are 640 pixels horizontally and 480 pixels vertically
    d. there are 480 pixels horizontally and 640 pixels vertically

32. Fair use allows _____.
    a. a user to make copies of a movie and distribute it to family and friends
    b. a professor to upload a copyrighted journal on his website for the public to read and download
    c. a teacher to photocopy an entire book and sell it at a lower price to students
    d. a way for people to use portions of a copyrighted work

33. _____ gives inventors the right to stop others from manufacturing, using, or selling their inventions.
    a. Patent
    b. Registration
    c. System requirement
    d. Software version

34. A(n) _____ is either a hardware device or a software-based process that compresses and decompresses large amounts of data used in activities such as video conferencing and streaming media.
    a. encrypter
    b. codec
    c. compiler
    d. interpreter

35. When a smart TV easily connects to a game console, a computer, Blu-ray players and also Internet router, allowing you to access your mail directly from your living room, this is known as _____.
    a. spamming
    b. hacking
    c. digital convergence
    d. digital signature

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36. When a hacker breaks into a system for the purpose of testing a system, they are called as _____.
    a. Good hackers
    b. White-hat hackers
    c. Grey-hat hackers
    d. Black-hat hackers

37. Which of the following is **FALSE** about creation of passwords?
    a. The shorter the password, the more secure it is.
    b. Do not use the same password for different accounts.
    c. Never write a password in a place that is visible to others.
    d. Use combinations of small and capital letters, numbers and symbols.

38. Incremental, image and full are types of _____.
    a. application software installation
    b. utility programs
    c. backup
    d. virus

39. When scammers send e-mail messages that look like they are from a legitimate company asking for your personal information, it is referred to as _____.
    a. Spreading
    b. Spamming
    c. Pharming
    d. Phishing

40. _____ is a malware that downloads onto the computer and convinces the user that that the computer is infected with a virus.
    a. Scareware
    b. Freeware
    c. Software
    d. Spam

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SECTION B [60 Marks]

Instruction: Answer ALL questions from this section in the Answer Booklet provided.

QUESTION 1

a. Define computer literate. (2 marks)

b. Explain **THREE (3)** characteristics of a computer literate user. (3 marks)

c. Explain **FOUR (4)** applications of computer technology in business. (4 marks)

d. (i) What is ergonomics? (2 marks)

   (ii) Explain **FOUR (4)** ways that can reduce the risk of injuries or discomfort while working at the computer. (4 marks)

(Total: 15 marks)

QUESTION 2

a. Explain the difference between data and information. (2 marks)

b. Answer the following questions.
   (i) State the acronym for URL (1 mark)
   (ii) What does URL represent? (1 mark)
   (iii) Given the following URL, identify the parts labelled as *P*, *Q*, *R* and *S*. (4 marks)

https:// www.mmu.edu.my / community / academic-calendar / trimester1920.pdf

P   *Q*   *R*   *S*

c. In general, there are **TWO (2)** types of software that can be installed in a computer. State and explain these software with suitable examples. (4 marks)

d. List and explain **THREE (3)** available features in a productivity software. (3 marks)

(Total: 15 marks)

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QUESTION 3

a. What is the meaning of digital media? State **TWO (2)** advantages of using digital media business. (3 marks)

b. Explain the terms file and folder. State **TWO (2)** rules when naming a file. (4 marks)

c. What is Random Access Memory (RAM) and hard disk. State **ONE (1)** advantage and **ONE (1)** disadvantage of each of them. (6 marks)

d. Nowadays, there are a huge number of choices when it comes to selecting a computing device. State **TWO (2)** advantage of choosing to a buy a laptop instead of a desktop. (2 marks)

(Total: 15 marks)

QUESTION 4

a. List **FOUR (4)** features that you can find in your smartphone. (2 marks)

b. What are E-readers? State **THREE (3)** basic features of E-readers. (4 marks)

c. Intellectual Property (IP) refers to creation of the mind. List and explain any **THREE (3)** categories of IP. (6 marks)

d. What is a computer virus? Explain **TWO (2)** ways that your computer can be infected by it. (3 marks)

(Total: 15 marks)

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